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(54) ANTISLIPPING WOVEN FABRIC

(57)Abstract:

PROBLEM TO BE SOLVED: To obtain the subject woven fabric light in weight, excellent in strength, having a durable braking performance, and especially useful as a base fabric used for escape chutes for sheltering men from the fire of a building, etc., by specifying the whole fineness of synthetic filaments constituting woven fabric, the weaving density of the woven fabric, tensile strength and the static friction coefficient of a raised surface.

SOLUTION: The whole fineness of synthetic filaments constituting woven fabric is at least 400 denier (preferably 400-1000 denier), and the weaving density of the woven fabric is 20-60 filaments/inch. The surface of the woven fabric is raised to give a static friction coefficient of 0.16-0.26. The tensile strength of the woven fabric in the longitudinal direction is increased to at least 150kgf e.g. by enhancing the density of the warp weaving in comparison with that of the weft weaving. The produced woven fabric is adequate in smoothness and braking performance, and enables an escaping man to slip in an escape chute in a good state without slipping out from the lower opening of the escape chute.

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